Journal of Biomedical Materials Research

Subject Index to Volume 26

316L cold worked stainless steel, 291, 1131

Acoustic emission (AE), 19
Acute nephrotoxicity, 209
Adhesion, 861
Adhesion responses, 1343
Adhesive bone cement, 937
Adhesives, 1081
Agarose, 967
Albumin adsorption, 947
Albumin-binding surfaces, 441
Antibody binding, 757
Antisera adsorption, 1205
Apatite formation, 1419
Arterial substitutes, 1383
Artificial bone formulation, 169

Bioactive ceramic plates, 1311
Bioactive ceramic powders, 209
Bioactive glass composite, 663
Bioartificial pancreas (BAP), 967
Biodegradable filament wound vascular graft, 1185
Biodegradable polymers, 1463
Bioglasses, 1147
Biomaterial–neutrophil interaction, 1039
Biomaterial surfaces, fouling-resistant, 415
Biomer™, 273
Bioprosthetic heart valve material (BHV), 1231
Bioresorbable vascular grafts, 1449
Biostability, 607
Biotinylation, 547
Blood coagulation, 1003
Blood compatibility, 739
Blood vessel anastomosis, 481
Bonding, 1311
Bonding interface, 1311
Bone apposition, 557
Bone cement, 1599
Bone cement fractography, 651
Bone compatible filler, 937
Bone formation, 885
Bone–HA interface, tensile strength, 7
Bone–hydroxyapatite (HA) interface, 1365
Bone-implant interface, 119, 529
Bone induction, 791, 897
Bone ingrowth, 989
Bone wax, 791
Bovine pericardiums, 1241
Brain tissue response, 979

C3 complement activation, 1163
Calcification, 959, 1169, 1241
Calcium, 1081
Calcium phosphate ceramics (CFC), 147
Calcium phosphate layer formation, 1147
Capsule contracture, 1517
Cartilage degeneration, 239
Cell adhesion, 393
Cell growth, 393
Cellular adhesion, 725
Cellular attachment resistance, 415
Ceramic–bone interface, 255
Cerebrospinal fluid (CSF) shunts, 979
Chondrocyte viability, 303
Chopped-carbon-fiber-reinforced peek (CFRPEEK), 133
Coagulation, 1141
Cobalt-chromium alloy, 557
Collagen, 547
Collagen-based biomaterials, 1091
Collagen digestion, 1569
Collagen fibers, 1169
Collagen immobilization, 1569, 1583
Collagen–silicone composites, 1517
Collagen–sponge-coated silicone sheets, 1517
Commercial poly(ether urethane) (PEU), 273
Compliance matching, 1449
Compliances, 1489
Contact lens material, 59
Contact lenses, 1253
Corneal epithelial cells, 1259
Corneal micropocket implantation, 1463
Corrosion fatigue, 1131
Corrosion products, 185
Corrosion release rate, 1217
Crosslinked dermal sheep collagen (DSC), 1091
Cyclic tensile stresses, 1131
Cytokine production, 837

Degradation, 1553
Demineralized bone (DB) powder, 897
Denatured fibrinogen, 1651
Densification, 663
Dentin wettability, 1081
Dessication, 303
Dissolution kinetics, 319
Drug delivery, 547
Drug delivery systems, 1619
Drug release testing, 1053

Elastin, 1169
Elastomeric matrices, 393
Ellipsometry, 77
Embolic materials, 467
Emulsion–solvent evaporation, 467
Endothelial cell sodding, 103
Enhanced ingrowth, 93
Epifluorescence video microscopy, 1535
Epithelial downgrowth, 493
Epoxy compounds, 1241
ePTFE graft healing, 1433
EVAc-drug matrices, 1619
Ex vitro, 739
Ex vivo, 357

F-75 cobalt-based alloy, 1217
FRP composite structural biomaterials, 593
Fatigue, 19
Fiber/matrix interfacial bond, 593
Fibril length, 1433
Fibrillation, 239
Fibrin adhesives, 481
Fibrin–collagen paste, 791
Fibrinogen, 221, 757, 1651
Fibrinogen adsorption, 39, 77, 779, 1003, 1633
Fibrinogen deposition, 1163
Fibroblast stimulating factors, 457
Fibroblasts, 393, 725, 861, 1297, 1325
Fibronectin, 1259, 1343
Fibronectin-mediated adhesion mechanisms, 1343
Filament winding technique, 1185
Finite element analysis, 119
Focal contact formation, 291
Foreign-body giant cell (FBGC) formation, 1019
Fourier Transform Infrared Reflection Spectroscopy (FTIRS), 1147
Fracture fixation plate, 133
Fracture healing, 133
Fracture toughness, 1599
Freeze-dried bone allograft (FDBA), 1477
Fusion bonding, 1141

Gingival tissue response, 517
Glow discharge plasma deposition (GDPD), 415
Grafts, 1383
Graphite furnace atomic absorption spectroscopy (GFAAS), 1503

HA/PLLA composites, 1277
HEMA-MMA copolymer, 1401
Hemocompatibility, 1543
Hemocompatibility evaluation, 1535
Heparin–PVA hydrogels, 947
Heparinized segmented polyurethaneurea (SPUU-PEO-Heparin), 739
Hepatoma cells (HepG2), 1401
High voltage electron microscopy (HVEM), 529
High-strength hydrogels, 59
HTR Polymer, 517
Human gingival fibroblasts, 1325, 1477
Human monocytes (HM), 851
Human neutrophils, 1217
Hyaluronan (HY) solution, 303
Hydrogels, 59, 221, 1253
Hydroxyapatite, 147
Hydroxyapatite (HA), 7, 885, 937
Hydroxyapatite (HA) beads, 1053
Hydroxylapatite (HA), 1277
Hydroxylapatite (HA) coating, 989

Implant–connective tissue interface, 897
Implant tumorigenesis, 631
Implantable devices, 441
Implantable polyetherurethane (PU), 441
Implantation, 339
Implanted vascular tissues, 1169
In vitro, 185, 319, 357, 675, 695, 801, 915, 979, 1053, 1091, 1131, 1205, 1241, 1297, 1325, 1365, 1553, 1569, 1583
In vitro calcification test, 959
In vivo, 319, 339, 593, 607, 695, 739, 915, 979, 1019, 1241, 1311, 1463, 1503, 1553, 1569, 1583
Infections, 185
Inflammatory host reaction, 1231
Interface shear attachment strength, 989
Interleukin-1 (IL-1), 851
Intraocular lenses (IOLS), 607

Knoop measurements, 1117

L-glutamic acid treatment, 1231
Lee–White test, 1543
Lipase, 713
Lipid sorption, 801
Liquid–solid interfaces, 77
Local hemostatics, 791

Macrophages, 457
Matrigel, 1401
Mechanical deformation, 1619
Metal cations, 1297
Metal ions, 819
Metallic implants, 819, 1179
Metallic personalized hemiarthroplasty, 239
Metals, elimination, 1503
Metals, storage, 1503
Microencapsulation, 1401
Microhardness, 1117
Monocytes, 457
Monocytes/macrophages, 837

Morphine, 713
Multilayer cellular lining formation, 103

Naltrexone release, 713
Natural rubber latex (NRL), 339
Nephropathy, 209
Neutrophil free radical production, 1039
Neutrophil movement, 819
Neutrophils, 185, 1039
Nonloadbearing applications in surgery, 1277

Organoapatites, 169
Orthopedic implant materials, 291
Osteoblasts, 291, 1131
Oxide surface chemistry, 319

PEG-coated surfaces, 779
PMMA bone cement, 651
PVA coated tubing, 577
Parallel-plate flow chamber, 725
Pendant amino acids, 1003
Percutaneous devices, 493
Pericardial heart valves, 959
Peridontal osseous defects, 517
Periodontol osseous defects, 1477
Phospholipids, 1543
Photoactivation, 1535
Photoreactive poly(ethylene glycol) (PEG), 373
Plasma, 675
Plasma coagulation, 39
Plasma polymers, 915
Plasma protein adsorption, 1205
Plasma proteins, 1651
Plasma-sprayed TCP, 93
Platelet adherence, 221
Platelet adhesion, 357, 1651
Platelet deposition, 1163
Platelets, 373, 577
Poly(D, L) lactide microspheres, 467
Poly(vinyl alcohol) (PVA) hydrogels, 1583
Poly(ethylene oxide) (PEO) enhancement, 1163
Polymer composites, 133
Polymer hemocompatibility, 1543
Polymer matrices, 1619
Polymer membranes, 1065
Polymeric hydrogels, 1253
Polymeric substrate, 1259
Polypropylene small-diameter vascular grafts, 1383
Polyurethane (PU) sulfonation, 39
Polyurethane (PU) elastomers, 1019
Polyurethane vascular graft, 103
Porosity, 1489
Porous implants, 989
Porous metallic coatings, 557
Porous vascular prostheses, 1489
Porous-coated devices, 93
Postadsorptive transitions, 757
Prosthetic heart-valve devices, 69
Protein adsorption, 457, 779, 1179, 1633
Protein adsorption resistance, 415
Protein isotherms, 947
Protein preadsorbed polymers, 837
Push-out test, 119
Pyrocarbons, fractography, 69

RFGD polymers, 357
Radiofrequency plasma polymerized films, 915
Rats, 631
Reinforced bone cement, 1599
Renal calculi, 1117
Resorbable ceramics, 255
Respiratory burst activity, 185
Rhenanite-containing composites, 663

Scanning electron microscopy (SEM), 7, 69, 255, 1117, 1419, 1599
Segmented polyurethanes, 801
Segmented polyurethanes (PEUs), 1633
Segmented polyurethanes (PUs), 39
Serum fibronectin (Fn), 861
Serum vitronectin (Vn), 861
Silicone surface, 1569
Small-diameter arterial replacements, 1449
Soft segment chemistry, 801
Standard deviations, 829
Statistics, 829
Stress, 119, 959
Surface chemistry, 273
Surface-graft polymers, 1065
Surface-active ceramics, 255, 1419
Surface-induced platelet activation, 373
Synthetic amino acid copolymer, 695
Synthetic vascular graft healing, 1433

Tantalum, 1179
Tensile testing, 1141
Thrombin adsorption, 947
Thrombin inhibitor, 1065
Thrombin production, 675
Thrombogenicity, 577
Thrombosis, 1535
Thrombus formation, 1651
Ti-coated implants, 493
Ti-6Al-4V implant alloy, 19
Tissue calcification, 1231
Tissue reactions, 1583
Titanium, 319
Titanium (Ti), 1325

Toxicity, 339, 1297
Toxicity tests, 1463
Transmission electron microscopy (TEM), 77, 255, 529, 1419
Tricalcium phosphate (TCP), 979, 1131
Tumer necrosis factor (TNF), 851
Tumor incidence, 631

Ultra-high-strength poly(L-lactide) (PLLA) rods, 1553
Ultrastructural study, 1365

Vascular grafts, 1141, 1185, 1383
Vickers measurements, 1117
Video microscopy, 221

Wistar rats, 791
Wound dressing, 695

Zeta potential, 147

Journal of Biomedical Materials Research

Author Index to Volume 26

Agrawal, K. See Singh, J., 1253
Aida, Y. See Nakamura, A., 631
Akutsu, T. See Iwata, H., 967
Amemiya, H. See Iwata, H., 967
Amiel, D. See von Schroeder, H. P., 329
Anderson, J. M. See Bonfield, T. L., 457
– ; See Bonfield, T. L., 837
– ; See Johnson, S. D., 915
– ; See Zhao, Q. H., 1019
– ; Review of *The Bone-Biomaterial Interface*, J. E. Davies, Ed., 1395
Apple, D. J. See Christ, F. R., 607
Arai, H. See Ishihara, K., 937
Askendal, A. See Wälivaara, B., 1205
Awerbuch, J. See Kohn, D. H., 19

Babensee, J. E.
– ; De Boni, U.; Sefton, M. V.: Morphological assessment of hepatoma cells (HepG2) microencapsulated in a HEMA-MMA copolymer with and without matrigel [Student Research Award in the Undergraduate, Master Candidate, or Health Science Degree Candidate Category, Fourth World Biomaterials Congress (18th Annual Meeting of the Society for Biomaterials), Berlin, Germany April 24–28, 1992, 1401
Bando, Y. See Neo, M., 255
– ; See Neo, M., 1419
Bang, G. See Solheim, E., 791
Barbette, S. See Grandfils, C., 467
Basford, R. E. See Kaplan, S. S., 1039
Bauer, T. W. See Jockisch, K. A., 133
Becht, J. G. M. See Kangasniemi, I. M. O., 663
Bercelli, S. A. See Greisler, H. P., 1449
Berg, E. See Kossovsky, N., 269
Bergström, K.
– ; Holmberg, K.; Safranj, A.; Hoffman, A. S.; Edgell, M. J.; Kozlowski, A.; Hovanes, B. A.; Harris, J. M.: Reduction of fibrinogen adsorption on PEG-coated polystyrene surfaces, 779
Bernacca, G. M.
– ; Fisher, A. C.; Wilkinson, R.; Mackay, T. G.; Wheatley, D. J.: Calcification and stress distribution in bovine pericardial heart valves, 959
Bernick, S. See Paule, W. J., 1169
Bizios, R. See Puleo, D. A., 291
Black, J. See Shanbhag, A., 185
– ; See Latour, Jr., R. A., 593
– ; See Yang, J., 1217
Bloebaum, R. D.
– ; Rubman, M. H.; Merrell, M.; Thacker, K.; Hofmann, A. A.: Hyaluronan solution as a cartilage antidesiccant, 303
Bobyn, J. D. See LaBerge, M., 239
Böck, P. See Grabenwöger, M., 1231
Bonfield, T. L.
– ; Colton, E.; Anderson, J. M.: Protein adsorption of biomedical polymers influences activated monocytes to produce fibroblast stimulating factors, 457
– ; Colton, E.; Marchant, R. E.; Anderson, J. M.: Cytokine and growth factor production by monocytes/macrophages on protein preadsorbed polymers, 837
Boyce, S. T.
– ; Stompro, B. E.; Hansbrough, J. F.: Biotinylation of implantable collagen for drug delivery, 547
Braak, L. H. See Dhert, W. J. A., 119
Brack, A. See Eloy, R., 695
Brash, J. See Rubens, F., 1651
Brash, J. L. See Santerre, J. P., 39
– ; See Santerre, J. P., 1003
Brewer, P. See Steflik, D. E., 529
Briggs, D. See Tyler, B. J., 273
Briggs, P. C. See Kossovsky, N., 269
Brown, S. A. See Jockisch, K. A., 133
– ; See Merritt, K., 1503
Brunette, D. M. See Chehroudi, B., 493
Buchen, S. Y. See Christ, F. R., 607
Burger, E. H. See Hagen, J. W., 897
Buser, D.
– ; Schenk, R. K.: Reply to Letter to the Editor (Reply to Drs. Thomas and Cook), 833
Busscher, H. J. See van Kooten, T. G., 725

Cabusao, E. A. See Greisler, H. P., 1383
Callow, A. D. See Chaikof, E. L., 1163
Cardona, M. A.
– ; Simmons, R. L.; Kaplan, S. S.: TNF and IL-1 generation by human monocytes in response to biomaterials, 851
Carter, T. See Williams, S. K., 103
Castner, D. G. See Tyler, B. J., 273
Chae, J. C.
– ; Collier, J. P.; Mayor, M. B.; Surprenant, V. A.; Dauphinais, L. A.: Enhanced ingrowth of porous-coated CoCr

implants plasma-sprayed with tricalcium phosphate, 93
Chaikof, E. L.
– ; Merrill, E. W.; Callow, A. D.; Connolly, R. J.; Verdon, S. L.; Ramberg, K.: PEO enhancement of platelet deposition, fibrinogen deposition, and complement C3 activation, 1163
Chandra, M. See Cohn, D., 1185
Chehroudi, B.
– ; Gould, T. R. L.; Brunette, D. M.: The role of connective tissue in inhibiting epithelial downgrowth on titanium-coated percutaneous implants, 493
Chinn, J. A.
– ; Posso, S. E.; Horbett, T. A.; Ratner, B. D.: Postadsorptive transitions in fibrinogen adsorbed to polyurethanes: Changes in antibody binding and sodium dodecyl sulfate elutability, 757
Christ, F. R.
– ; Buchen, S. Y.; Fencil, D. A.; Knight, P. M.; Solomon, K. D.; Apple, D. J.: A comparative evaluation of the biostability of a poly (ether urethane) in the intraocular, intramuscular, and subcutaneous environments, 607
Chuong, C. J. See Zhong, P., 1117
Ciegler, G. W. See Stupp, S. I., 169
Clark, A. E. See Kim, C. Y., 1147
Cohn, D.
– ; Elchai, Z.; Gershon, B.; Karck, M.; Lazarovici, G.; Sela, J.; Chandra, M.; Marom, G.; Uretzky, G.: Introducing a selectively biodegradable filament wound arterial prosthesis: A short-term implantation study, 1185
Collier, J. P. See Chae, J. C., 93
Colton, E. See Bonfield, T. L., 457
– ; See Bonfield, T. L., 837
Connolly, R. J. See Chaikof, E. L., 1163
Cook, S. D. See Thomas, K. A., 831
– ; Thomas, K. A.; Dalton, J. E.; Volkman, T. K.; Whitecloud III, T. S.; Kay, J. F.: Hydroxylapatite coating of porous implants improves bone ingrowth and interface attachment strength, 989
Cooper, S. L. See Takahara, A., 801
Cornillac, A. M. See Eloy, R., 695
Coury, A. J. See Takahara, A., 801
Coutts, R. D. See von Schroeder, H. P., 329
Craig, R. G. See Wataha, J. C., 1297
Cuckler, J. M. See Topoleski, L. D., 1599
Culp, L. A. See Lewandowska, K., 1343

Dada, V. K. See Singh, J., 1253
Dalton, J. E. See Cook, S. D., 989
Dauphinais, L. A. See Chae, J. C., 93
Dauskardt, R. H. See Ritchie, R. O., 69
Davies, J. See James, S. P., 651
De Boni, U. See Babensee, J. E., 1401
de Bruijn, J. D.
– ; Klein, C. P. A. T.; de Groot, K.; van Blitterswijk, C. A.: The ultrastructure of the bone–hydroxyapatite interface *in vitro*, 1365
de Groot, K. See Lin, H., 7
– ; See Dhert, W. J. A., 119
– ; See Kangasniemi, I. M. O., 663
– ; See Verheyen, C. C. P. M., 1277
– ; See de Bruijn, J. D., 1365
Del Bigio, M. R.
– ; Fedoroff, S.: Short-term response of brain tissue to cerebrospinal fluid shunts *in vivo* and *in vitro*, 979
Desai, N. P. See Hossiany, S. F. A., 1535
de Wijn, J. R. See Dhert, W. J. A., 119
– ; See Verheyen, C. C. P. M., 1277
Dhert, W. J. A.
– ; Verheyen, C. C. P. M.; Braak, L. H.; de Wijn, J. R.; Klein, C. P. A. T.; de Groot, K.; Rozing, P. M.: A finite element analysis of the push-out test: Influence of test conditions, 119
Dijkstra, P. J. See van Luyn, M. J. A., 1091
Dorme, N. See Eloy, R., 695
Drouin, G. See LaBerge, M., 239
Ducheyne, P. See Kohn, D. H., 19
– ; Kim, C. S.; Pollack, S. R: The effect of phase differences on the time-dependent variation of the zeta potential of hydroxyapatite, 147
– ; See Healy, K. E., 319
– ; See Topoleski, L. D. T., 1599
Eaton, J. W. See Keogh, J. R., 441
Edelman, E. R.
– ; Fiorino, A.; Grodzinsky, A.; Langer, R.: Mechanical deformation of polymer matrix controlled release devices modulates drug release, 1619
Edgell, M. J. See Bergström, K., 779
Elchai, Z. See Cohn, D., 1185
Eloy, R.
– ; Brack, A.; Dorme, N.; Cornillac, A. M.: Physical and biological properties of a new synthetic amino acid copolymer used as wound dressing, 695
Elwing, H. See Wälivaara, B., 1205
Endo, Y. See Ishihara, K., 1543
Eybl, E. See Grabenwöger, M., 1231

Fedoroff, S. See Del Bigio, M. R., 979
Feijen, J. See van Luyn, M. J. A., 1091
Feldman, D. See Flahiff, C., 481
Fencil, D. A. See Christ, F. R., 607

Feuerstein, I. A.
– ; McClung, W. G.; Horbett, T. A.: Platelet adherence and detachment with adsorbed fibrinogen: A flow study with a series of hydroxyethyl methacrylate-ethyl methacrylate copolymers using video microscopy, 221
Fiorino, A. See Edelman, E. R., 1619
Fisher, A. C. See Bernacca, G. M., 959
Flahiff, C.
– ; Feldman, D.; Saltz, R.; Huang, S.: Mechanical properties of fibrin adhesives for blood vessel anastomosis, 481
Flandroy, P. See Grandfils, C., 467
Friends, G. D.
– ; Kunzler, J. F.; Ozark, R. M.: High-strength hydrogels based on *N*-vinyl pyrrolidinone and 4-*t*-butyl-2-hydroxycyclohexylmethacrylate, 59
Fujimaki, M. See Nakamura, A., 631
Fujita, Y. See Neo, M., 255
– ; See Ishihara, K., 1311

G'Sell, C. See Panighi, M., 1081
– ; See Ishihara, K., 937
– ; See Fujita, Y., 1311
Garfield, J. D. See Greisler, H. P., 1383
Gershon, B. See Cohn, D., 1185
Gilbert, J. L. See Lautenschlager, E. P., 829
Goolsby, R. D. See Zhong, P., 1117
Gould, T. R. L. See Chehroudi, B., 493
Gowda, D. C. See Nicol, A., 393
Grabenwöger, M.
– ; Grimm, M.; Eybl, E.; Leukauf, C.; Müller, M. M.; Plenck, Jr., H.; Böck, P.: Decreased tissue reaction to bioprosthetic heart valve material after L-glutamic acid treatment. A morphological study, 1231
Grandfils, C.
– ; Flandroy, P.; Nihant, N.; Barbette, S.; Jérome, R.; Teyssié, Ph.; Thibaut, A.: Preparation of poly (D, L lactide microspheres by emulsion–solvent evaporation, and their clinical applications as a convenient embolic material, 467
Greer, Jr., R. O. See Yukna, R. A., 517
Greisler, H. P.
– ; Tattersall, C. W.; Henderson, S. C.; Cabusao, E. A.; Garfield, J. D.; Kim, D. U.: Polypropylene small-diameter vascular grafts, 1383
– ; Joyce, K. A.; Kim, D. U.; Pham, S. M.; Bercelli, S. A.: Spatial and temporal changes in compliance following implantation of bioresorbable vascular grafts, 1449
Grimm, M. See Grabenwöger, M., 1231
Grodzinsky, A. See Edelman, E. R., 1619

Hagen, J. W.
– ; Semmelink, J. M.; Klein, C. P. A. T.; Prahl-Andersen, B.; Burger, E. H.; Semmelink, J. M.; Klein, C. P. A. T.; Prahl-Andersen, B.; Burger, E. H.: Bone induction by demineralized bone particles: Long-term observations of the implant–connective tissue interface, 897
Hanes, P. J. See Steflik, D. E., 529
Hanks, C. T. See Wataha, J. C., 1297
Hansbrough, J. F. See Boyce, S. T., 547
Hanson, S. R. See Kiaei, D., 357
Harris, J. M. See Bergström, K., 779
Harris, W. H. See James, S. P., 651
Hautaniemi, J. See Könönen, M., 1325
Haycox, C. L. See López, G. P., 415
Healy, K. E.
– ; Ducheyne, P.: The mechanisms of passive dissolution of titanium in a model physiological environment, 319
Heller, J. See Tefft, J. A., 713
Hench, L. L. See Kim, C. Y., 1147
Henderson, S. C. See Greisler, H. P., 1383
Hergenrother, R. W. See Takahara, A., 801
Hiltner, A. See Zhao, Q. H., 1019
Hirabayashi, K.
– ; Saitoh, E.; Ijima, H.; Takenawa, T.; Kodama, M.; Hori, M.: Influence of fibril length upon ePTFE graft healing and host modification of the implant, 1433
Hoffman, A. S. See Kiaei, D., 357
– ; See Bergström, K., 779
– ; See Pettit, D. K., 1259
Hofmann, A. A. See Bloebaum, R. D., 303
Hollinger, J. O. See Kudryk, V. L., 1477
Holmberg, K. See Bergström, K., 779
Honda, Y. See Kobayashi, H., 1583
Horbett, T. A. See Feuerstein, I. A., 221
– ; See López, G. P., 415
– ; See Chinn, J. A., 757
– ; See Pettit, D. K., 1259
– ; See Slack, S. M., 1633
Hori, M. See Hirabayashi, K., 1433
Hormia, M. See Könönen, M., 1325
Hossiany, S. F. A.
– ; Desai, N. P.; Hubbell, J. A.: Avoidance of photoactivation in the epifluorescence video microscopic observation of thrombosis (Technical Note), 1535
Hovanes, B. A. See Bergström, K., 779
Huang, S. See Flahiff, C., 481
Hubbell, J. A. See Hossiany, S. F. A., 1535
Hunt, J. A.
– ; Remes, A.; Williams, D. F.: Stimulation of neutrophil movement by metal ions, 819

Hyon, S.-H. See Matsusue, Y., 1553

Ijima, H. See Hirabayashi, K., 1433
Ikada, Y. See Kobayashi, H., 1463
– ; See Matsusue, Y., 1553
– ; See Okada, T., 1569
– ; See Kobayashi, H., 1583
Ikarashi, Y.
– ; Toyoda, K.; Ohsawa, N.; Uchima, T.; Tsuchiya, T.; Kaniwa, M.; Sato, M.; Takahashi, M.; Nakamura, A.: Comparative studies by cell culture and *in vivo* implantation test on the toxicity of natural rubber latex materials, 339
Imanishi, Y. See Ito, Y., 1065
Inoue, K. See Ohgushi, H., 885
Ishihara, K.
– ; Arai, H.; Nakabayashi, N.; Morita, S.; Furuya, K.: Adhesive bone cement containing hydroxyapatite particle as bone compatible filler, 937
– ; Oshida, H.; Endo, Y.; Ueda, T.; Watanabe, A.; Nakabayashi, N.: Hemocompatibility of human whole blood on polymers with a phospholipid polar group and its mechanism (Japanese Society for Biomaterials Award Winner for Junior Investigator in Biomaterials Science 1992), 1543
Ito, Y.
– ; Liu, L.-S.; Matsuo, R.; Imanishi, Y.: Synthesis and nonthrombogenicity of polymer membrane with surface-graft polymers carrying thrombin inhibitor, 1065
Iwata, H. See Park, K.D., 739
– ; Takagi, T.; Amemiya, H.; Shimizu, H.; Yamashita, K.; Kobayashi, K.; Akutsu, T.: Agarose for a bioartificial pancreas, 967
– ; See Yamamura, K., 1053

James, S.P.
– ; Jasty, M.; Davies, J.; Piehler, H.; Harris, W.H.: A fractographic investigation of PMMA bone cement focusing on the relationship between porosity reduction and increased fatigue life, 651
Jarrell, B.E. See Williams, S.K., 103
Jasty, M. See James, S.P., 651
Jeong, M.H. See Kaplan, S.S., 1039
Jérome, R. See Grandfils, C., 467
Jockisch, K.A.
– ; Brown, S.A.; Bauer, T.W.; Merritt, K.: Biological response to chopped-carbon-fiber-reinforced peek, 133
Johnson, G. See Steele, J.G., 861
Johnson, S.D.
– ; Anderson, J.M.; Marchant, R.E.: Biocompatibility studies on plasma polymerized interface materials encompassing both hydrophobic and hydrophilic surfaces, 915
Joyce, K.A. See Greisler, H.P., 1449
Juma, S. See Kossovsky, N., 269

Kangasniemi, I.M.O.
– ; de Groot, K.; Becht, J.G.M.; Yli-Urpo, A.: Preparation of dense hydroxylapatite or rhenanite containing bioactive glass composites, 663
Kaniwa, M. See Ikarashi, Y., 339
Kaplan, S.S. See Cardona, M.A., 851
– ; Basford, R.E.; Mora, E.; Jeong, M.H.; Simmons, R.L: Biomaterial-induced alterations of neutrophil superoxide production, 1039
– ; See Cohn, D., 1185
Karlsson, C. See Nygren, H., 77
Kawanabe, K.
– ; Yamamuro, T.; Kotani, S.; Nakamura, T.: Acute nephrotoxicity as an adverse effect after intraperitoneal injection of massive amounts of bioactive ceramic powders in mice and rats, 209
Kawasaki, Y. See Nakamura, A., 631
Kay, J.F. See Cook, S.D., 989
Keogh, J.R.
– ; Velander, F.F.; Eaton, J.W.: Albumin-binding surfaces for implantable devices, 441
Kiaei, D.
– ; Hoffman, A.S.; Hanson, S.R.: *Ex vivo* and *in vitro* platelet adhesion on RFGD deposited polymers, 357
Kim, C.S. See Ducheyne, P., 147
Kim, C.Y.
– ; Clark, A.E.; Hench, L.L.: Compositional dependence of calcium phosphate layer formation in fluoride Bioglasses, 1147
Kim, D.U. See Greisler, H.P., 1383
– ; See Greisler, H.P., 1449
Kim, S.W. See Park, K., 739
Kim, W.G. See Park, K., 739
Kinlough-Rathbone, R. See Rubens, F., 1651
Kitsugi, T. See Fujita, Y., 1311
Kivilahti, J. See Könönen, M., 1325
Klein, C.P.A.T. See Dhert, W.J.A., 119
– ; See Hagen, J.W., 897
– ; See de Bruijn, J.D., 1365
Knight, P.M. See Christ, F.R., 607
Kobayashi, H.
– ; Shiraki, K.; Ikada, Y.: Toxicity test of biodegradable polymers by implantation in rabbit cornea, 1463
– ; Ikada, Y.; Moritera, T.; Ogura, Y.; Honda, Y.: Tissue reactions induced by modified

poly(vinyl alcohol) hydrogels in rabbit cornea, 1583
Kobayashi, K. See Iwata, H., 967
Kodama, M. See Hirabayashi, K., 1433
– ; See Liu, S.Q., 1489
Kohn, D.H.
– ; Ducheyne, P.; Awerbuch, J.: Acoustic emission during fatigue of porous-coated Ti-6Al-4V implant alloy, 19
Kojima, S. See Nakamura, A., 631
Kokubo, T. See Neo, M., 255
– ; See Fujita, Y., 1311
– ; See Neo, M., 1419
Könönen, M.
– ; Hormia, M.; Kivilahti, J.; Hautaniemi, J.; Thesleff, I.: Effect of surface processing on the attachment, orientation, and proliferation of human gingival fibroblasts on titanium, 1325
Kossovsky, N.
– ; Millet, D.; Juma, S.; Little, N.; Briggs, P.C.; Raz, S.; Berg, E.: Erratum to "*In vivo* characterization of the inflammatory properties of poly(tetrafluoroethylene) particulates", 269
Kotani, S. See Kawanabe, K., 209
– ; See Neo, M., 255
– ; See Fujita, Y., 1311
– ; See Neo, M., 1419
Kozlowski, A. See Bergström, K., 779
Ksander, G.A. See Wallace, D.G., 1517
Kudryk, V.L.
– ; Scheidt, M.J.; McQuade, M.J.; Sutherland, D.E.; VanDyke, T.E.; Hollinger, J.O.: Toxic effect of ethylene-oxide-sterilized freeze-dried bone allograft on human gingival fibroblasts, 1477
Kunzler, J.F. See Friends, G.D., 59
Kurihara, M. See Nakamura, A., 631
Kurokama, Y. See Nakamura, A., 631
Kwan, M. See von Schroeder, H.P., 329

LaBerge, M.
– ; Bobyn, J.D.; Drouin, G.; Rivard, C.H.: Evaluation of metallic personalized hemiarthroplasty: A canine patellofemoral model, 239
Lake, F. See Steflik, D.E., 529
Lamprecht, E.G. See Luckey, H.A., 557
– ; See Luckey, H.A., 1397
Langer, R. See Edelman, E.R., 1619
Latour, Jr., R.A.
– ; Black, J.: Development of FRP composite structural biomaterials: Ultimate strength of the fiber/matrix interfacial bond in *in vivo* simulated environments, 593
Lautenschlager, E.P.
– ; Winkler, M.M.; Monaghan, P.; Gilbert, J.L.: Normal statistics or not? (Technical note), 829
– ; See Taira, M., 1131
Lei, X. See Xi, T., 1241
Leukauf, C. See Grabenwöger, M., 1231
Lewandowska, K.
– ; Pergament, E.; Sukenik, C.N.; Culp, L.A.: Cell-type-specific adhesion mechanisms mediated by fibronectin adsorbed to chemically derivatized substrata, 1343
Lilien, J. See Shanbhag, A., 185
– ; See Yang, J., 1217
Lin, H.
– ; Xu, H.; de Groot, K.: Tensile strength of the interface between hydroxyapatite and bone, 7
Little, N. See Kossovsky, N., 269
Liu, L.-S. See Ito, Y., 1065
Liu, S.Q.
– ; Kodama, M.: Porous polyurethane vascular prostheses with variable compliances, 1489
Lodoen, G.A. See Zhao, Q.H., 1019
Long, S. See Xi, T., 1241
López, G.P.
– ; Ratner, B.D.; Tidwell, C.D.; Haycox, C.L.; Rapoza, R.J.; Horbett, T.A.: Glow discharge plasma deposition of tetraethylene glycol dimethyl ether for fouling-resistant biomaterial surfaces, 415
Luckey, H.A.
– ; Lamprecht, E.G.; Walt, M.J.: Bone apposition to plasma-sprayed cobalt-chromium alloy, 557
– ; Lamprecht, E.G.; Walt, M.J.: Erratum to "Bone apposition to plasma-sprayed cobalt-chromium alloy", 1397
Lundström, I. See Wälivaara, B., 1205

Ma, J. See Xi, T., 1241
Mackay, T.G. See Bernacca, G.M., 959
Marchant, R.E. See Bonfield, T.L., 837
– ; See Johnson, S.D., 915
Margevicius, R.W. See Merritt, K., 1503
Markus, R.T. See Wyler, A., 1141
Marom, G. See Cohn, D., 1185
Matsui, M. See Nakamura, A., 631
Matsuo, R. See Ito, Y., 1065
Matsuoka, A. See Nakamura, A., 631
Matsusue, Y.
– ; Yamamuro, T.; Oka, M.; Shikinami, Y.; Hyon, S.-H.; Ikada, Y.: *In vitro* and *in vivo* studies on bioabsorbable ultra-high-strength poly(L-lactide) rods, 1553
Mayor, M.B. See Chae, J.C., 93
McQuade, M.J. See Kudryk, V.L., 1477
McClung, W.G. See Feuerstein, I.A., 221

McKinney, R. V. See Steflik, D. E., 529
Mehta, M. R. See Singh, J., 1253
Merrell, M. See Bloebaum, R. D., 303
Merrill, E. W. See Chaikof, E. L., 1163
Merritt, K. See Jockisch, K. A., 133
– ; Margevicius, R. W.; Brown, S. A.: Storage and elimination of titanium, alunimun, and vanadium salts, *in vivo*, 1503
Millet, D. See Kossovsky, N., 269
Miyata, N. See Nakamura, A., 631
Monaghan, P. See Lautenschlager, E. P., 829
Mora, E. See Kaplan, S. S., 1039
Morita, S. See Ishihara, K., 937
Moritera, T. *See Kobayashi, H., 1583*
Müller, M. M. See Grabenwöger, M., 1231

Nakabayashi, N. *See Ishihara, K., 937*
– ; See Ishihara, K., 1543
Nakamura, A. *See Ikarashi, Y., 339*
– ; Kawasaki, Y.; Takada, K.; Aida, Y.; Kurokama, Y.; Kojima, S.; Shintani, H.; Matsui, M.; Nohmi, T.; Matsuoka, A.; Sofuni, T.; Kurihara, M.; Miyata, N.: *Difference in tumor incidence and other* tissue responses to polyetherurethanes *and polydimethylsiloxane in long-term* subcutaneous implantation into rats, 631
Nakamura, T. *See Kawanabe, K., 209*
– ; See Neo, M., 255
– ; See Fujita, Y., 1311
– ; See Neo, M., 1419
Neo, M.
– ; *Kotani, S.; Nakamura, T.; Yamamuro,* T.; Ohtsuki, C.; Kokubo, T.: Differences *in ceramic–bone interface between* surface–active ceramics and resorbable ceramics: A study by scanning and transmission electron microscopy, 255
– ; Kotani, S.; Nakamura, T.; Yamamuro, T.; Ohtsuki, C.; Kokubo, T.; Bando, Y.: A comparative study of ultrastructures *of the interfaces between four kinds of* surface-active ceramic and bone, 1419
Nicol, A.
– ; Gowda, D. C.; Urry, D. W.: Cell adhesion and growth on synthetic elastomeric matrices containing ARG-GLY-ASP-SER-[3], 393
Nieuwenhuis, P. See van Luyn, M. J. A., 1091
Nihant, N. See Grandfils, C., 467
Nimni, M. E. *See Paule, W. J., 1169*
Nohmi, T. See Nakamura, A., 631
Nygren, H.
– ; Stenberg, M.; Karlsson, C.: Kinetics supramolecular structure and equilibrium properties of fibrinogen adsorption at liquid–solid interfaces, 77

Ogura, Y. See Kobayashi, H., 1583
Ohgushi, H.
– ; Okumura, M.; Yoshikawa, T.; Inoue, K.; Senpuku, N.; Tamai, S.; Shors, E. C.: Bone formation process in porous calcium carbonate and hydroxyapatite, 885
– ; Lautenschlager, E. P.: *In vitro* corrosion fatigue of 316L cold worked stainless steel, 1131
Ohsawa, N. See Ikarashi, Y., 339
Ohtsuki, C. See Neo, M., 255
– ; See Fujita, Y., 1311
– ; See Neo, M., 1419
Oka, M. See Matsusue, Y., 1553
Okada, T.
– ; Ikada, Y.: *In vitro* and *in vivo* digestion of collagen covalently immobilized onto the *silicone surface, 1569*
Okano, T. See Park, K., 739
Okumura, M. *See Ohgushi, H., 885*
Olde Damink, L. See van Luyn, M. J. A., 1091
Oshida, H. See Ishihara, K., 1543
Ozark, R. M. See Friends, G. D., 59

Panighi, M.
– ; G'Sell, C.: Influence of calcium *concentration on the dentin wettability* by an adhesive, 1081
Park, K. *See Tseng, Y.-C., 373*
Park, K. D.
– ; Kim, W. G.; Jacobs, H.;Okano, T.; Kim, S. W.: Blood compatibility of SPUU-PEO-heparin graft copolymers, 739
Park, P. K. *See Williams, S. K., 103*
Parr, G. R. See Steflik, D. E., 529
Paul, W. *See Sharma, C. P., 1179*
Paule, W. J.
– ; Bernick, S.; Strates, B.; Nimni, M. E.: Calcification of implanted vascular tissues associated with elastin in an experimental animal model, 1169
Payet, C. R. See Zhao, Q. H., 1019
– ; *See Santerre, J. P., 1003*
Pennisi, F. J. See Ritchie, R. O., 69
Pergament, E. *See Lewandowska, K., 1343*
Pettit, D. K.
– ; Horbett, T. A.; Hoffman, A. S.: Influence of the substrate binding characteristics of fibronectin on corneal epithelial cell outgrowth [Student Research Award in the Doctoral Degree Candidate Category, *Fourth World Biomaterials Congress* (18th Annual Meeting of the Society for *Biomaterials), Berlin, Germany, April* 24–28, 1992, 1259
Pham, S. M. *See Greisler, H. P., 1449*
Piehler, H. See James, S. P., 651
Pinholt, E. M. See Solheim, E., 791

Plenck, Jr., H. See Grabenwöger, M., 1231
Pollack, S.R. See Ducheyne, P., 147
Posso, S.E. See Chinn, J.A., 757
Prahl-Andersen, B. See Hagen, J.W., 897
Preminger, G.M. See Zhong, P., 1117
Puleo, D.A.
– ; Bizios, R.: Formation of focal contacts by osteoblasts cultured on orthopedic biomaterials, 291

Ramberg, K. See Chaikof, E.L., 1163
Rapoza, R.J. See López, G.P., 415
Ratner, B.D. See Tyler, B.J., 273
– ; *See López, G.P., 415*
– ; See Chinn, J.A., 757
Ray, A.R. *See Singh, J., 1253*
Raz, S. See Kossovsky, N., 269
Remes, A. *See Hunt, J.A., 819*
Ritchie, R.O.
– ; Dauskardt, R.H.; Pennisi, F.J.: On the fractography of overload, stress corrosion, and cyclic fatigue failures in pyrolytic-carbon materials used in prosthetic heart-valve devices, 69
Rivard, C.H. *See LaBerge, M., 239*
Rollason, G.
– ; Sefton, M.V.: Measurement of the rate of thrombin production in human plasma in contact with different materials, 675
Rose, D.G. See Williams, S.K., 103
Rosenblatt, J. See Wallace, D.G., 1517
Roskos, K.V. *See Tefft, J.A., 713*
Rozing, P.M. See Dhert, W.J.A., 119
Rubens, F.
– ; Brash, J.; Weitz, J.; Kinlough-Rathbone, R.: Interactions of thermally denatured fibrinogen on polyethylene with plasma proteins and platelets, 1651
Rubman, M.H. See Bloebaum, R.D., 303

Safranj, A. See Bergström, K., 779
Saitoh, E. See Hirabayashi, K., 1433
Saltz, R. See Flahiff, C., 481
Santerre, J.P.
– ; ten Hove, P.; VanderKamp, N.H.; Brash, J.L.: Effect of sulfonation of segmented polyurethanes on the transient adsorption of fibrinogen from plasma: Possible correlation with anticoagulant behavior, 39
– ; ten Hove, P.; Brash, J.L.; : Polyurethanes bearing pendant amino acids: Fibrinogen adsorption and coagulant properties, 1003
Sato, M. See Ikarashi, Y., 339
Schakenraad, J.M. See van Kooten, T.G., 725
Scheidt, M.J. *See Kudryk, V.L., 1477*
Schenk, R.K. See Buser, D., 833
Schneider, T. See Williams, S.K., 103
Sefton, M.V. See Strzinar, I., 577
– ; See Rollason, G., 675
– ; See Smith, B.A.H., 947
– ; See Babensee, J.E., 1401
Sela, J. See Cohn, D., 1185
Semmelink, J.M. See Hagen, J.W., 897
Senpuku, N. See Ohgushi, H., 885
Shanbhag, A.
– ; Yang, J.; Lilien, J.; Black, J.: Decreased neutrophil respiratory burst on exposure to cobalt-chrome alloy and polystyrene *in vitro*, 185
– ; See Yang, J., 1217
Sharma, C.P.
– ; Paul, W.: Protein interaction with tantalum: Changes with oxide layer and hydroxyapatite at the interface, 1179
Shikinami, Y. *See Matsusue, Y., 1553*
Shimizu, H. See Iwata, H., 967
Shintani, H. *See Nakamura, A., 631*
Shiraki, K. See Kobayashi, H., 1463
Shors, E.C. See Ohgushi, H., 885
Simmons, R.L. See Cardona, M.A., 851
– ; See Kaplan, S.S., 1039
Singh, H. *See Singh, J., 1253*
Singh, J.
– ; Agrawal, K.; Ray, A.R.; Singhal, J.P.; Singh, H.; Dada, V.K.; Mehta, M.R.: Polymeric hydrogels for soft contact lenses (Technical Note), 1253
Singhal, J.P. See Singh, J., 1253
Sisk, A.L. See Steflik, D.E., 529
Slack, S.M.
– ; Horbett, T.A.: Changes in fibrinogen adsorbed to segmented polyurethanes and hydroxyethylmethacrylate-ethylmethacrylate copolymers, 1633
Smith, B.A.H.
– ; Sefton, M.V.: Thrombin and albumin adsorptive to PVA and heparin–PVA hydrogels. I. Single protein isotherms, 947
Sofuni, T. See Nakamura, A., 631
Solheim, E.
– ; Pinholt, E.M.; Bang, G.; Sudmann, E.: Effect of local hemostatics on bone induction in rats: A comparative study of bone wax, fibrin–collagen paste, and bioerodible polyorthoester with and without gentamicin, 791
Solomon, K.D. See Christ, F.R., 607
Song, M.J. See Steflik, D.E., 529
Spector, M.
– ; Society for Biomaterials 1991 Presidential Address, 1
Steele, J.G.
– ; Johnson, G.; Underwood, P.A.: Role of serum vitronectin and fibronectin in

adhesion of fibroblasts following seeding onto tissue culture polystyrene, 861
Steflik, D.E.
– ; Sisk, A.L.; Parr, G.R.; Hanes, P.J.; Lake, F.; Song, M.J.; Brewer, P.; McKinney, R.V.: High-voltage electron microscopy and conventional transmission electron microscopy of the interface zone between bone and endosteal dental implants, 529
Stenberg, M. See Nygren, H., 77
Stompro, B.E. See Boyce, S.T., 547
Strates, B. See Paule, W.J., 1169
Strzinar, I.
– ; Sefton, M.V.: Preparation and thrombogenicity of alkylated polyvinyl alcohol coated tubing, 577
Stupp, S.I.
– ; Ciegler, G.W.: Organoapatites: Materials for artificial bone. I. Synthesis and microstructure, 169
Sudmann, E. See Solheim, E., 791
Sukenik, C.N. See Lewandowska, K., 1343
Surprenant, V.A. See Chae, J.C., 93
Sutherland, D.E. See Kudryk, V.L., 1477

Taira, M.
– ; Lautenschlager, E.P.: *In vitro* corrosion fatigue of 316L cold worked stainless steel, 1131
Takada, K. See Nakamura, A., 631
Takagi, T. See Iwata, H., 967
Takahara, A.
– ; Hergenrother, R.W.; Coury, A.J.; Cooper, S.L.: Effect of soft segment chemistry on the biostability of segmented polyurethanes. II. *In vitro* hydrolytic degradation and lipid sorption, 801
Takahashi, M. See Ikarashi, Y., 339
Takenawa, T. See Hirabayashi, K., 1433
Tamai, S. See Ohgushi, H., 885
Tattersall, C.W. See Greisler, H.P., 1383
Tefft, J.A.
– ; Roskos, K.V.; Heller, J.: The effect of lipase on the release of naltrexone from triglyceride-coated cellulose acetate phthalate microspheres, 713
Tengvall, P. See Wälivaara, B., 1205
ten Hove, P. See Santerre, J.P., 39
– ; See Santerre, J.P., 1003
Teyssié, Ph. See Grandfils, C., 467
Thacker, K. See Bloebaum, R.D., 303
Thesleff, I. See Könönen, M., 1325
Thibaut, A. See Grandfils, C., 467
Thomas, K.A.
– ; Cook, S.D.: Letter to the Editor, 831
– ; See Xi, T., 1241
Tidwell, C.D. See López, G.P., 415
Topoleski, L.D.
– ; Ducheyne, P.; Cuckler, J.M.: The fracture toughness of titanium-fiber-reinforced bone cement, 1599
Toyoda, K. See Ikarashi, Y., 339
Tseng, Y.-C.
– ; Park, K.: Synthesis of photoreactive poly(ethylene glycol) and its application to the prevention of surface-induced platelet activation, 373
Tsuchiya, T. See Ikarashi, Y., 339
Tyler, B.J.
– ; Ratner, B.D.; Castner, D.G.; Briggs, D.: Variations between Biomer™ lots. I. Significant differences in the surface chemistry of two lots of a commercial poly(ether urethane), 273

Uchima, T. See Ikarashi, Y., 339
– ; See Nakamura, A., 631
Ueda, T. See Ishihara, K., 1543
Underwood, P.A. See Steele, J.G., 861
Uretzky, G. See Cohn, D., 1185
Urry, D.W. See Nicol, A., 393

van Blitterswijk, C.A. See Verheyen, C.C.P.M., 1277
– ; See de Bruijn, J.D., 1365
Van der Mei, H.C. See van Kooten, T.G., 725
VanDyke, T.E. See Kudryk, V.L., 1477
VanderKamp, N.H. See Santerre, J.P., 39
van Kooten, T.G.
– ; Schakenraad, J.M.; Van der Mei, H.C.; Busscher, H.J.: Development and use of a parallel-plate flow chamber for studying cellular adhesion to solid surfaces, 725
van Luyn, M.J.A.
– ; van Wachem, P.B.; Olde Damink, L.; Dijkstra, P.J.; Feijen, J.; Nieuwenhuis, P.: Relations between *in vitro* cytotoxicity and crosslinked dermal sheep collagens, 1091
van Wachem, P.B. See van Luyn, M.J.A., 1091
Velander, F.F. See Keogh, J.R., 441
Verdon, S.L. See Chaikof, E.L., 1163
Verheyen, C.C.P.M. See Dhert, W.J.A., 119
Volkman, T.K. See Cook, S.D., 989
von Schroeder, H.P.
– ; Kwan, M.; Amiel, D.; Coutts, R.D.: "The use of polylactic acid matrix and periosteal grafts for the reconstruction of rabbit knee articular defects", 329

Wälivaara, B.
– ; Askendal, A.; Elwing, H.; Lundström, I.; Tengvall, P.: Antisera binding onto metals immersed in human plasma *in vitro*, 1205

Wallace, D. G.
– ; Rosenblatt, J.; Ksander, G. A.: Tissue compatibility of collagen–silicone composites in a rat subcutaneous model, *1517*
Walt, M. J. See Luckey, H. A., 557
– ; See Luckey, H. A., 1397
Wataha, J. C.
– ; Hanks, C. T.; Craig, R. G.: *In vitro* synergistic, antagonistic, and duration of exposure effects of metal cations on eukaryotic cells, *1297*
Watanabe, A. See Ishihara, K., 1543
Weitz, J. See Rubens, F., 1651
Wheatley, D. J. See Bernacca, G. M., 959
Whitecloud III, T. S. See Cook, S. D., 989
Wilkinson, R. See Bernacca, G. M., 959
Williams, D. F. See Hunt, J. A., 819
Williams, S. K.
– ; Carter, T.; Park, P. K.; Rose, D. G.; Schneider, T.; Jarrell, B. E.: Formation of a multilayer cellular lining on a polyurethane vascular graft following endothelial cell sodding, 103
Winkler, M. M. See Lautenschlager, E. P., 829
Wyler, A.
– ; Markus, R. T.: Tensile testing of tubular vascular grafts produced by thermal compression fusion of flat collagenous materials, 1141

Xi, B. See Xi, T., 1241
Xi, T.
– ; Ma, J.; Tian, W.; Lei, X.; Long, S.; Xi, B.: Prevention of tissue calcification on bioprosthetic heart valve by using epoxy compounds: A study of calcification tests *in vitro* and *in vivo*, 1241
Xu, H. See Lin, H., 7

Yamamura, K.
– ; Iwata, H.; Yotsuyanagi, T.: Synthesis of antibiotic-loaded hydroxyapatite beads and *in vitro* drug release testing, 1053
Yamamuro, T. See Kawanabe, K., 209
– ; See Neo, M., 255
– ; See Fujita, Y., 1311
– ; See Neo, M., 1419
– ; See Matsusue, Y., 1553
Yamashita, K. See Iwata, H., 967
Yang, J. See Shanbhag, A., 185
– ; Shanbhag, A.; Lilien, J.; Black, J.: Human neutrophil response to short-term exposure to F-75 cobalt-based alloy, 1217
Yli-Urpo, A. See Kangasniemi, I. M. O., 663
Yoshikawa, T. See Ohgushi, H., 885
Yotsuyanagi, T. See Yamamura, K., 1053
Yukna, R. A.
– ; Greer, Jr., R. O.: Human gingival tissue response to HTR polymer, 517

Zhao, Q. H.
– ; Anderson, J. M.; Hiltner, A.; Lodoen, G. A.; Payet, C. R.: Theoretical analysis on cell size distribution and kinetics of foreign-body giant cell formation *in vivo* on polyurethane elastomers, 1019
Zhong, P.
– ; Chuong, C. J.; Goolsby, R. D.; Preminger, G. M.Microhardness measurements of renal calculi: Regional differences and effects of microstructure, 1117